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## WHAT IS CLAIMED IS:

1. A mineral composition for use in hair care products  
5 comprising at least one poly-element mineral selected from the  
group consisting of perlite, pitchstone and tourmaline, ground  
into a powder having a particle size ranging from about 0.5  $\mu\text{m}$   
to about 10  $\mu\text{m}$ .

2. A mineral composition according to claim 1, wherein  
10 the powder has a particle size ranging from about 0.5 $\mu\text{m}$  to  
about 5.0  $\mu\text{m}$ .

3. A mineral composition according to claim 1, wherein  
the powder has a particle size ranging from about 0.5  $\mu\text{m}$  to  
15 about 2.5  $\mu\text{m}$ .

4. A mineral composition according to claim 1, wherein  
the powder has a particle size ranging from about 0.5  $\mu\text{m}$  to  
about 1.0  $\mu\text{m}$ .

5. A mineral composition according to claim 1, wherein  
20 the at least one poly-element mineral comprises at least two  
poly-element minerals.

6. A mineral composition according to claim 5, wherein  
the at least two poly-element minerals are tourmaline and  
25 perlite, wherein tourmaline is present in an amount ranging  
from about 0.50% to about 99.5% by weight, with perlite making  
up the remaining wt%.

7. A mineral composition according to claim 6, wherein  
30 tourmaline is present in an amount ranging from 0.50% to about  
50% by weight, with perlite making up the remaining wt%.

8. A mineral composition according to claim 6, wherein  
tourmaline is present in an amount of about 0.50% by weight,  
and perlite is present in an amount of about 99.5% by weight.  
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9. A mineral composition according to claim 5, wherein

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the at least two poly-element minerals are tourmaline and pitchstone, wherein tourmaline is present in amount ranging from about 0.50% to about 99.5% by weight, with pitchstone making up the remaining wt%.

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10. A mineral composition according to claim 9, wherein tourmaline is present in an amount ranging from about 0.50% to about 50% by weight, with pitchstone making up the remaining wt%.

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11. A mineral composition according to claim 9, wherein tourmaline is present in an amount of about 0.50% by weight, and pitchstone is present in an amount of about 99.5% by weight.

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12. A mineral composition according to claim 5, wherein the at least two poly-element minerals are perlite and pitchstone, wherein perlite is present in an amount ranging from about 0.50% to about 99.5% by weight, with pitchstone making up the remaining wt%.

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13. A mineral composition according to claim 12, wherein perlite is present in an amount ranging from about 0.50% to about 50%, with pitchstone making up the remaining wt%.

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14. A mineral composition according to claim 12, wherein perlite is present in an amount of about 0.50% by weight, and pitchstone is present in an amount of about 99.5% by weight.

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15. A mineral composition according to claim 1, wherein the at least one poly-element mineral comprises all three poly-element minerals, wherein tourmaline is present in an amount ranging from about 0.10% to about 99.8% by weight, and perlite is present in an amount ranging from about 0.10% to about 99.8% by weight, with pitchstone making up the remaining wt%.

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16. A mineral composition according to claim 15, wherein  
tourmaline is present in an amount of about 0.10% by weight,  
5 perlite is present in an amount of about 0.10% by weight, and  
pitchstone is present in an amount of about 99.8% by weight.

17. A mineral composition according to claim 15, wherein  
tourmaline is present in an amount of about 0.10% by weight,  
10 perlite is present in an amount of about 99.8% by weight, and  
pitchstone is present in an amount of about 0.10% by weight.

18. A mineral composition according to claim 15, wherein  
tourmaline is present in an amount of about 99.8%, perlite is  
present in an amount of about 0.10%, and pitchstone is present  
15 in an amount of about 0.10%.

19. A mineral composition for use in hair care products  
comprising at least one poly-element mineral ground to a  
powder having a particle size ranging from about 0.05 mm to  
20 about 25 mm and suspended in a solution with a compatible  
solvent.

20. A mineral composition according to claim 19, wherein  
the solvent is selected from the group consisting of deionized  
water and glycol or its derivatives.  
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21. A mineral composition according to claim 19, wherein  
the at least one poly-element mineral is ground to a powder  
having a particle size ranging from about 0.05 mm to about 10  
mm.

22. A mineral composition according to claim 19, wherein  
the at least one poly-element mineral is ground to a powder  
having a particle size ranging from about 0.05 mm to about 5  
mm.  
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23. A mineral composition according to claim 19, wherein  
the at least one poly-element mineral is ground to a powder  
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having a particle size ranging from about 0.05 mm to about 0.1 mm.

5        24. A method of preparing an ionic mineral composition for use in hair care products comprising:

preparing the mineral composition of claim 19; and

10        heating the suspended solution under pressure for a suitable length of time.

25. A method according to claim 24, wherein the compatible solvent is selected from the group consisting of deionized water and glycol or its derivatives.

15        26. A method according to claim 24, wherein the suspended solution is heated for a period of time ranging from about 12 to about 120 hours.

20        27. A method according to claim 24, wherein the suspended solution is heated for a period of time ranging from about 24 to about 48 hours.

28. A method according to claim 24, wherein the compatible solvent is deionized water.

25        29. A method according to claim 28, wherein the suspended solution is heated at a temperature ranging from about 5°C to about 100°C.

30        30. A method according to claim 28, wherein the suspended solution is heated at a temperature ranging from about 30°C to about 80°C.

30        31. A method according to claim 28, wherein the suspended solution is heated at a temperature ranging from about 50°C to about 60°C.

35        32. A method according to claim 24, wherein the suspended solution is heated under a pressure ranging from about 1 atm to about 5 atm.

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33. A method according to claim 24, wherein the  
suspended solution is heated under a pressure ranging from  
about 1 atm to about 2 atm.

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34. A method according to claim 24, wherein the  
suspended solution is heated under a pressure ranging from  
about 1 atm to about 1.25 atm.

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35. A method according to claim 24, wherein the weight  
ratio of the powder of the at least one poly-element mineral  
to the compatible solvent ranges from about 0.05:1 to about  
2.5:1.

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36. A method according to claim 24, wherein the weight  
ratio of the powder of the at least one poly-element mineral  
to the solvent ranges from about 0.5:1 to about 1:1.

37. A method according to claim 24, wherein the  
compatible solvent is glycol or one of its derivatives.

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38. A method according to claim 37, wherein the  
suspended solution is heated at a temperature ranging from  
about 75°C to about 200°C.

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39. A method according to claim 37, wherein the  
suspended solution is heated at a temperature ranging from  
about 150°C to about 200°C.

40. A method according to claim 37, wherein the  
suspended solution is heated at a temperature ranging from  
about 100°C to about 150°C.

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41. A method according to claim 37, wherein the  
suspended solution is heated at a temperature ranging from  
about 75°C to about 100°C.

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42. A method of preparing an ionic mineral composition  
for use in hair care products comprising:

preparing the mineral composition of claim 20, wherein

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the compatible solvent is glycol or one of its derivatives;  
and

5        heating the suspended solution at a temperature ranging  
from about 75°C to about 100°C under pressure ranging from  
about 1 atm to about 1.25 atm for a period of time ranging  
from about 24 to about 48 hours.

10       43. A method of preparing an ionic mineral composition  
for use in hair care products comprising:

preparing the mineral composition of claim 20, wherein  
the compatible solvent is deionized water; and

15       heating the suspended solution at a temperature ranging  
from 50°C to 60°C under a pressure ranging from 1 atm to 1.25  
atm for a period of time ranging from 24 to 48 hours.

44. A method of applying a mineral composition for use  
in hair care products to the hair comprising:

20       preparing the mineral composition of claim 19;  
adding the mineral composition to a hair care product;  
thoroughly mixing the mineral composition into the hair  
care product; and

25       applying the hair care product to the hair.

45. A method of applying a mineral composition for use  
in hair care products to the hair comprising:

30       preparing the mineral composition of claim 1;  
adding the mineral composition to a hair care product;  
thoroughly mixing the mineral composition into the hair  
care product; and

applying the hair care product to the hair.

35       46. A method according to claim 45, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from about 0.01% to about 10% by weight, based on the

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total weight of the product.

47. A method according to claim 45, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from about 0.01% to about 5% by weight, based on the  
total weight of the product.

48. A method according to claim 45, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from about 0.01% to about 0.5% by weight, based on the  
total weight of the product.

49. A method according to claim 45, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from 0.01% to about 0.1% by weight, based on the total  
weight of the product.

50. A method according to claim 44, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from about 0.01% to about 10% by weight, based on the  
total weight of the product.

51. A method according to claim 44, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from about 0.01% to about 5% by weight, based on the  
total weight of the product.

52. A method according to claim 44, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from about 0.01% to about 0.5% by weight , based on  
the total weight of the product.

53. A method according to claim 44, wherein the mineral  
composition is present in the hair care product in an amount  
ranging from about 0.01% to about 0.1% by weight, based on the  
total weight of the product.

54. A mineral composition for use in hair care products

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comprising tourmaline and perlite, wherein tourmaline is  
present in an amount of about 0.5% by weight, and perlite is  
5 present in an amount of about 99.5% by weight.

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